

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 008477

Report Date: 03/26/2004

Project Name: LOCK & DAM #24
Project No:

Analysis: Inorganics

Field ID: S-001
Sampling Loc'n: INTERIOR TAINTER GATE #1
Sampling Date: 03/08/2004
Sampling Time: 1000

ARDL No: 008477-01
Received: 03/12/2004
Matrix: MISC_MATERIAL
Moisture: No Moisture Present

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
Cadmium	1	3.2	MG/KG	3050B	6010B	03/15/04	03/23/04	P3874
Chromium	5	3520	MG/KG	3050B	6010B	03/15/04	03/16/04	P3874
Lead	25	92900	MG/KG	3050B	6010B	03/15/04	03/16/04	P3874

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Lab Report No: 008477

Report Date: 03/26/2004

Project Name: LOCK & DAM #24
Project No:

Analysis: Inorganics

Field ID: S-002
Sampling Loc'n: INTERIOR TAINTER GATE #1
Sampling Date: 03/08/2004
Sampling Time: 1000

ARDL No: 008477-02
Received: 03/12/2004
Matrix: SEDIMENT
Moisture: 31.7

Analyte	Detection		Units	Prep	Analysis	Prep	Analysis	Run
	Limit	Result		Method	Method	Date	Date	
Arsenic	3.7	4.1	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Barium	1.5	115	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Boron	4.4	ND	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Cadmium	0.73	ND	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Chromium	0.73	10.9	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Copper	1.5	10.6	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Iron	7.3	11600	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Lead	3.7	19.0	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Manganese	0.73	575	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Mercury	0.12	ND	MG/KG	7470A	7470A	03/17/04	03/17/04	C1579
Nickel	2.2	11.6	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Selenium	7.3	ND	MG/KG	3050B	6010B	03/15/04	03/17/04	P3875
Silver	0.73	ND	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Zinc	0.73	48.8	MG/KG	3050B	6010B	03/15/04	03/16/04	P3875
Solids, Percent	1	68.3	%	NONE	160.3	NA	03/15/04	03169253

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Report Date: 03/26/2004

Project Name: LOCK & DAM #24 Analysis: CHLORINATED PESTICIDES & PCB'S
 Project No.: Analytical Method: 8081A
 Prep Method: 3550A

Field ID:	S-002	ARDL Lab No.:	008477-02
Desc/Location:	INTERIOR TAINTER GATE #1	Lab Filename:	
Sample Date:	03/08/2004	Received Date:	03/12/2004
Sample Time:	1000	Prep. Date:	03/19/2004
Matrix:	SEDIMENT	Analysis Date:	03/23/2004
Amount Used:	30 g	Instrument ID:	
Final Volume:	1 mL	QC Batch:	B5012
% Moisture:	31.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
alpha-BHC	0.688	2.49	ND		UG/KG	1
beta-BHC	0.679	2.49	ND		UG/KG	1
delta-BHC	0.816	2.49	ND		UG/KG	1
gamma-BHC (Lindane)	0.707	2.49	ND		UG/KG	1
Heptachlor	0.726	2.49	ND		UG/KG	1
Aldrin	0.795	2.49	ND		UG/KG	1
Heptachlor Epoxide	0.744	2.49	ND		UG/KG	1
Endosulfan I	0.682	2.49	ND		UG/KG	1
Dieldrin	0.807	4.83	ND		UG/KG	1
p,p'-DDE	0.572	4.83	ND		UG/KG	1
Endrin	0.586	4.83	ND		UG/KG	1
Endosulfan II	0.622	4.83	ND		UG/KG	1
p,p'-DDD	0.675	4.83	ND		UG/KG	1
Endosulfan Sulfate	0.574	4.83	ND		UG/KG	1
p,p'-DDT	0.624	4.83	2.08	JP	UG/KG	1
Methoxychlor	0.608	4.83	ND		UG/KG	1
Endrin Aldehyde	0.786	4.83	ND		UG/KG	1
gamma-Chlordane	0.723	2.49	ND		UG/KG	1
alpha-Chlordane	0.637	2.49	ND		UG/KG	1
Toxaphene	11.9	48.3	ND		UG/KG	1
Aroclor 1016	11.9	48.3	ND		UG/KG	1
Aroclor 1221	29.6	98.1	ND		UG/KG	1
Aroclor 1232	15.2	48.3	ND		UG/KG	1
Aroclor 1242	7.98	48.3	ND		UG/KG	1
Aroclor 1248	15.7	48.3	ND		UG/KG	1
Aroclor 1254	15.7	48.3	ND		UG/KG	1
Aroclor 1260	6.63	48.3	ND		UG/KG	1
Endrin Ketone	0.542	4.83	ND		UG/KG	1
Chlordane	1.9	7.32	ND		UG/KG	1

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Report Date: 03/26/2004

Project Name: LOCK & DAM #24		Analysis: CHLORINATED PESTICIDES & PCB'S	
Project No.:		Analytical Method: 8081A	
		Prep Method: 3550A	
Field ID:	S-002	ARDL Lab No.:	008477-02 (cont'd)
Desc/Location:	INTERIOR TAINTER GATE #1	Lab Filename:	
Sample Date:	03/08/2004	Received Date:	03/12/2004
Sample Time:	1000	Prep. Date:	03/19/2004
Matrix:	SEDIMENT	Analysis Date:	03/23/2004
Amount Used:	30 g	Instrument ID:	
Final Volume:	1 mL	QC Batch:	B5012
% Moisture:	31.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Dilution Units	Dilution Factor
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SURROGATE RECOVERIES:	Limits	Results
Decachlorobiphenyl	51-107	77%
Tetrachloro-m-xylene	42-94	76%

Surrogate recoveries marked with '*' indicates they are outside standard limits.

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Lab Report No: 008477

Report Date: 04/23/2004

Project Name: LOCK & DAM #24 Analysis: PNA'S (METHOD 8270, SIM)
Project No.: Analytical Method: 8270C
Prep Method: 3550A

Field ID:	S-002	ARDL Lab No.:	008477-02
Desc/Location:	INTERIOR TAINTER GATE #1	Lab Filename:	E0420405
Sample Date:	03/08/2004	Received Date:	03/12/2004
Sample Time:	1000	Prep. Date:	03/19/2004
Matrix:	SEDIMENT	Analysis Date:	04/20/2004
Amount Used:	30 g	Instrument ID:	AG5
Final Volume:	1 mL	QC Batch:	B5033
% Moisture:	31.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
Naphthalene	2.9	14.6	ND		UG/KG	1
Acenaphthylene	3.5	14.6	ND		UG/KG	1
Acenaphthene	4	14.6	ND		UG/KG	1
Fluorene	3.4	14.6	ND		UG/KG	1
Phenanthrene	3.7	14.6	15.6		UG/KG	1
Anthracene	2.9	14.6	ND		UG/KG	1
Fluoranthene	3.8	14.6	45.7		UG/KG	1
Pyrene	2.7	14.6	57.7		UG/KG	1
Benzo(a)anthracene	2.9	14.6	37.0		UG/KG	1
Chrysene	3.5	14.6	36.3		UG/KG	1
Benzo(b)fluoranthene	3.5	14.6	26.8		UG/KG	1
Benzo(k)fluoranthene	5.4	14.6	28.1		UG/KG	1
Benzo(a)pyrene	3.3	14.6	23.9		UG/KG	1
Indeno(1,2,3-cd)pyrene	3.4	14.6	17.2		UG/KG	1
Dibenzo(a,h)anthracene	3.2	14.6	ND		UG/KG	1
Benzo(g,h,i)perylene	3.5	14.6	16.6		UG/KG	1

SURROGATE RECOVERIES:	Limits	Results
2-Fluorobiphenyl	30-115	48%
Nitrobenzene-d5	23-120	40%
Terphenyl-d14	18-137	91%

Surrogate recoveries marked with '*' indicates they are outside standard limits.

Sample 008477-02, PNA'S (METHOD 8270, SIM)

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